



1743

PATENT

Our Docket: P-IS 4627

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of
Hood and Siegel

Serial No.: 09/919,360

Filed: July 30, 2001

For: MULTIPARAMETER ANALYSIS FOR
DRUG RESPONSE AND RELATED
METHODS

Commissioner for Patents
Washington, D.C. 20231

Examiner: Not Yet Known

Group And Unit: 1743

I hereby certify that this correspondence is
being deposited with the United States
Postal Service as first class mail in an
envelope addressed to: Commissioner for Patents,
Washington, D.C. 20231, on November 13, 2001.

By Deborah L. Cadena
Deborah L. Cadena, Reg. No. 44,048

November 13, 2001
Date of Signature

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. § 1.97, enclosed are references relating to the above-identified application. For the convenience of the Examiner, these references are listed on the attached Form PTO-1449, and a copy of each is enclosed herewith.

It is respectfully requested that these references be considered in the examination of this application and that their consideration be made of written record in the application file.

No fee is deemed necessary in connection with the filing of this Information Disclosure Statement. However, if any fee is required, authorization is hereby given to charge the amount of any such fee to Deposit Account No. 03-0370.

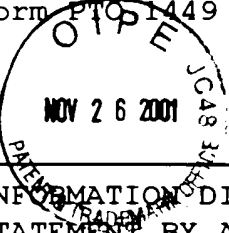
Respectfully submitted,

Date: November 13, 2001

Deborah L. Cadena

Deborah L. Cadena
Registration No.: 44,048
Telephone: (358) 535-9001
Facsimile: (858) 535-8949

Campbell & Flores LLP
4370 La Jolla Village Drive, 7th Floor
San Diego, California 92122
USPTO CUSTOMER NO. 23601

Form PTO 1449  US Department of Commerce Patent and Trademark Office	ATTY DOCKET NO: P-IS 4627	SERIAL NO. 09/919,360
	APPLICANT: Hood and Siegel	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE: July 30, 2001	GROUP: 1743

U.S. PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
		5,814,445	9/29/98	Belyavsky et al.	435	6	7/11/95
		6,194,217	2/27/01	Matson	436	63	8/12/93
		6,203,987	3/20/01	Friend et al.	435	6	10/27/98

FOREIGN PATENT DOCUMENTS

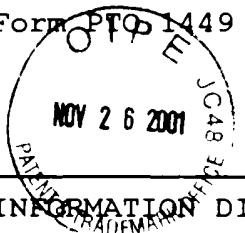
EXAM. INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES/NO)
		WO 99/11822	03/11/99				
		WO 99/57130	11/11/99				
		WO 00/11208	02/03/00				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

		Aebersold et al., "Equipping scientists for the new biology," <u>Nature Biotechnology</u> 18:359 (2000).
		Alper J., "Weighing DNA for fast genetic diagnosis," <u>Science</u> 279:2044-2045 (1998).

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §09; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449 	US Department of Commerce Patent and Trademark Office	ATTY DOCKET NO: P-IS 4627	SERIAL NO. 09/919,360
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT: Hood and Siegel	
		FILING DATE: July 30, 2001	GROUP: 1743

	Anderson, <u>An Introduction to Multivariate Statistical Analysis</u> , second ed., chapter 6, pp. 195-243 Wiley, New York (1984).
	Burton and Harding, "Hydrophobic charge induction chromatography: salt independent protein adsorption and facile elution with aqueous buffers," <u>J. Chromatography</u> 314:71-81 (1998).
	Eichler et al., "Peptide, peptidomimetic, and organic synthetic combinatorial libraries," <u>Med. Res. Rev.</u> 15:481-496 (1995).
	Ellington and Szostak, "In vitro selection of RNA molecules that bind specific ligands," <u>Nature</u> 346:818-822 (1990).
	Emili and Cagney, "Large-scale functional analysis using peptide or protein arrays," <u>Nature Biotech.</u> 18:393-397 (2000).
	Famulok M., "Oligonucleotide aptamers that recognize small molecules," <u>Current Opinion in Structural Biology</u> 9:324-329 (1999).
	Famulok and Mayer, "Aptamers as tools in molecular biology and immunology," <u>Curr. Top. Microbiol. Immunol.</u> 243:123-136 (1999).
	Fang et al., "Designing a novel molecular beacon for surface-immobilized DNA hybridization studies," <u>J. Am. Chem. Soc.</u> 121:2921-2922 (1999).
	Fang et al., "Single and multiple molecular beacon probes for DNA hybridization studies on a silica glass surface," <u>SPIE</u> 3602:149-155 (1999).
	Francis et al., "Combinatorial libraries of transition-metal complexes, catalysts and materials," <u>Curr. Opin. Chem. Biol.</u> 2:422-428 (1998).
	Freund and Schapire, "A decision-theoretic generalization of on-line learning and an application to boosting," <u>J. Computer System Sciences</u> 55:119-139 (1997).
	GeneExpress™: Integrated solutions for drug discovery and development," <u>www.genelogic.com</u> printed March 23, 2000

EXAMINER	LATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449 NOV 26 2001 PATENTS TRADEMARK OFFICE	US Department of Commerce Patent and Trademark Office	ATTY DOCKET NO: P-IS 4627	SERIAL NO. 09/919,360
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE: July 30, 2001	GROUP: 1743

		"Gene Logic completes atlas of normal human gene expression," <u>www.genelogic.com</u> printed March 23, 2000.
		"Gene Logic and Fujisawa Pharmaceutical sign collaborative discovery research alliance; companies to identify gene expression profiles for diabetes therapeutics," <u>www.genelogic.com</u> printed March 23, 2000.
		Gold et al., "Diversity of oligonucleotide functions," <u>Annu. Rev. Biochem.</u> 64:763-797 (1995).
		Golub et al., "Molecular classification of cancer: class discovery and class prediction by gene expression monitoring," <u>Science</u> 286:531-537 (1999).
		Gygi et al., "Quantitative analysis of complex protein mixtures using isotope-coded affinity tags," <u>Nature Biotechnol.</u> 17:994-999 (1999).
		Hermann and Patel, "Adaptive recognition by nucleic acid aptamers," <u>Science</u> 287:820-825 (2000).
		Hollstein et al., "p53 mutations in human cancers," <u>Science</u> 253:49-53 (1991).
		Hughes et al., "Functional discovery via a compendium of expression profiles," <u>Cell</u> 102:109-126 (2000).
		Jayasena S., "Aptamers: an emerging class of molecules that rival antibodies in diagnostics," <u>Clin. Chem.</u> 45:1628-1650 (1999).
		Joyce G., "In vitro evolution of nucleic acids," <u>Curr. Opin. Struct. Biol.</u> 4:331-336 (1994).
		Li and Breaker, "Deoxyribozymes: new players in the ancient game of biocatalysis," <u>Current Opinion in Structural Biology</u> 9:315-323 (1999).
		Lorsch and Szostak, "Chance and necessity in the selection of nucleic acid catalysts," <u>Acc. Chem. Res.</u> 29:103-110 (1996).

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 US Department of Commerce Patent and Trademark Office NOV 26 2001 PATENT & TRADEMARK OFFICE	ATTY DOCKET NO: P-IS 4627	SERIAL NO. 09/919,360
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICANT: Hood and Siegel	
	FILING DATE: July 30, 2001	GROUP: 1743

		Sofia M., "Carbohydrate-based combinatorial libraries," <u>Mol. Divers.</u> 2:75-94 (1998).
		Sutcliffe et al., "TOGA: An automated parsing technology for analyzing expression of nearly all genes," <u>Proc. Natl. Acad. Sci. USA</u> 97:1976-1981 (2000).
		Suzuki et al., "Insulin resistance associated with decreased levels of insulin-receptor messenger ribonucleic acid: evidence of a de novo mutation in the maternal allele," <u>J. Clin. Endocrinol. Metab.</u> 80:1214-1220 (1995).
		Taira et al., "Human diabetes associated with a deletion of the tryosine kinase domain of the insulin receptor," <u>Science</u> 245:63-66 (1989).
		Taylor S., "Lilly lecture: molecular mechanisms of insulin resistance," <u>Diabetes</u> 41:1473-1490 (1992).
		<u>Tietz Textbook Clinical Chemistry</u> , 2nd ed., Burtis and Ashwood, eds., W.B. Saunders Co., Philadelphia, pp. 953-984, 992-997, 1053-1087, 1211-1228, 1320-1350, 1354-1372, 1743-1772, 1887-1913 and 2059-2066 (1994).
		<u>Tietz Textbook Clinical Chemistry</u> , 3rd ed., Burtis and Ashwood, eds., W.B. Saunders Co., Philadelphia, Chapters 2 and 11-14, pp. 42-72 and 265-355 (1999).
		Tokino and Nakamura, "The role of p53-target genes in human cancer," <u>Critical Reviews in Oncology/Hematology</u> 33:1-6 (2000).
		Tuerk and Gold, "Systematic evolution of ligands by exponential enrichment: RNA ligands to T4 DNA polymerase," <u>Science</u> 249:505-510 (1990).
		Walt D., "Bead-based fiber-optic arrays," <u>Science</u> 287:451-452 (2000).
		Wang X., "Role of p53 and apoptosis in carcinogenesis," <u>Anticancer Research</u> 19:4759-4771 (1999).

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.